

Title (en)

ELONGATED NON-THERMAL PLASMA REACTOR FOR OPTIMAL COUPLING TO PULSED POWER SUPPLY

Title (de)

LÄNGLICHER NICHTTHERMISCHER PLASMAREAKTOR ZUR OPTIMALEN KOPPLUNG MIT GEPULSTER STROMVERSORGUNG

Title (fr)

RÉACTEUR À PLASMA NON THERMIQUE ALLONGÉ POUR UN COUPLAGE OPTIMAL À UNE ALIMENTATION PULSÉE

Publication

EP 3895506 B1 20231101 (EN)

Application

EP 19816797 A 20191213

Priority

- EP 18212650 A 20181214
- EP 2019085082 W 20191213

Abstract (en)

[origin: EP3668280A1] The present application discloses a plasma reactor for a Dielectric Barrier Discharge (DBD) system. The system comprises one or more plasma reactor modules. The one or more plasma modules are configured as transmission lines. A duration of a rise-time and/or a fall-time of a voltage pulse, fed into a first end of the one or more reactor modules is shorter than a run-time of the voltage pulse from a first end of the one or more reactor modules to a second end of the one or more reactor modules.

IPC 8 full level

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CPC (source: EP US)

H05H 1/03 (2013.01 - US); **H05H 1/2406** (2013.01 - EP US); **H05H 1/2418** (2021.05 - US); **H05H 1/4622** (2021.05 - EP); **H05H 2242/26** (2021.05 - EP US)

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